ABSTRACT

The chemical substance detecting apparatus according to the present invention comprises: a chemical substance decomposing means 10 for decomposing a substance-to-be-detected adhering to an impurity and eliminating from the impurity a chemical substance characterizing the substance-to-be-detected; a chemical substance detecting means 30 for detecting the chemical substance; and a filter 50 for selectively admitting the chemical substance to the chemical substance detecting means 30, whereby the substance-to-be-detected is indirectly detected, based on a detected result of the chemical substance. Various chemical substances including chemical substances, such as dioxin, etc., which are generated, adhering to impurity particles can be measured real time with high sensitivity.